

80 PLUS Verification and Testing Report

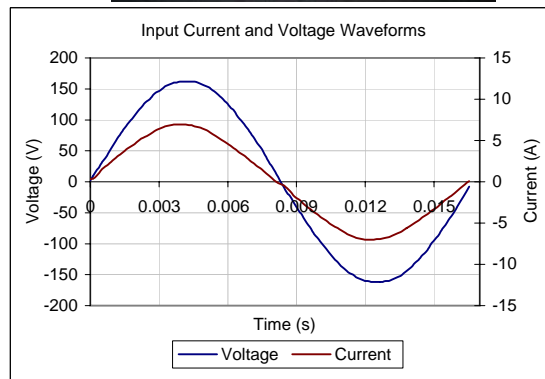
TYPICAL EFFICIENCY (50% Load):	84.61%
AVERAGE EFFICIENCY :	82.97%
80 PLUS COMPLIANT:	YES



Ecos ID #	291
Manufacturer	FSP
Model Number	FSP460-60PFB
Serial Number	NA
Year	2007
Type	ATX12V
Test Date	7/6/2007

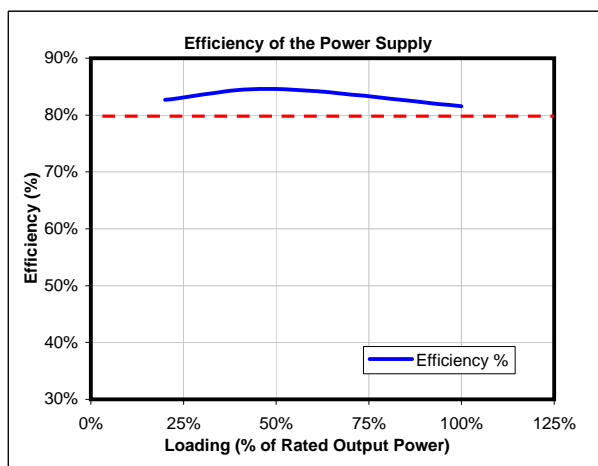
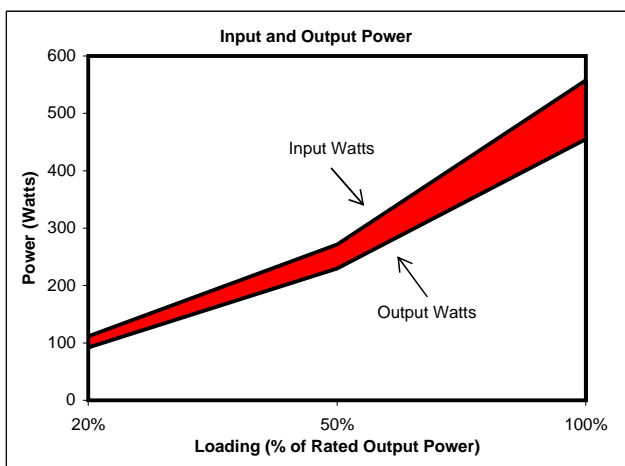
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	6	Amps
Input Frequency	60-50	Hz
Rated Output Power	460	Watts

Note: All measurements were taken with input voltage at 115 V nominal and 60 Hz.



Input AC Current Waveform (ITHD = 7.54%, 50% Load)

I_{RMS} A	PF	I_{THD} (%)	Load (%)	Fraction of Load	Input Watts	DC Terminal Voltage (V) / DC Load Current (A)					Output Watts	Efficiency %
						12V (cumulative of 12V1, 12V2, etc.)	-12V	3.3V	5V*	5VSB		
0.98	0.99	5.3%	20%	Light	111	12/5.3	11.9/0.1	3.3/3.2	5/2.9	5.1/0.5	92	82.71%
2.37	0.99	7.5%	50%	Typical	271	12/13.3	11.9/0.2	3.2/7.9	5/7.2	5/1.2	230	84.61%
4.86	1.00	4.7%	100%	Full	558	11.9/26.5	12/0.5	3.2/15.7	5/14.4	4.9/2.5	455	81.58%



These tests were conducted as a part of the 80 PLUS program. 80 PLUS is a computer buy-down program to promote high-efficiency power supplies (greater than 80% efficiency in the active mode) in desktop computers and desktop-derived servers.



Tested by Electric Power Research Institute, Knoxville, TN.